

10/531690

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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Piotr KULA et al.

Application No.: New U.S. National Stage of  
PCT/PL2003/000066

Filed: April 15, 2005

Docket No.: 122083

For: HYDROCARBON GAS MIXTURE FOR THE UNDER-PRESSURE CARBURIZING OF  
STEEL

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. Relevance of the references 1-3 is discussed in the present specification.
- ☒ 3. The references 4-8 were cited in a counterpart foreign application. An English language version of the foreign search report is attached for the Examiner's information.
- ☒ 4. In accordance with 37 CFR §1.98(a)(2)(ii), copies of any U.S. patents and patent application publications are not attached.

- ☒ 5. English language Abstracts of the non-English language references 3-5 are attached hereto.
- ☒ 6. A computer-generated English language translation of the following Japanese Patent Publication has been obtained from the website of the Japanese Patent Office ([<http://www.jpo.go.jp>]), and is attached, but has not been reviewed for accuracy. See References 4 and 5.

Respectfully submitted,



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Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 122083		APPLICATION NO. New U.S. Patent Application	
INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)				APPLICANTS Piotr KULA et al.			
				FILING DATE April 15, 2005			

  

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	1	5,702,540	12/30/1997	Kubota		
	2	6,187,111	02/13/2001	Waka et al.		

  

FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
	3	EP 0 882 811 B1 w/abstract	12/09/1998	Europe		
	4	JP A 2002-194526 w/abstr. + trans.	07/10/2002	Japan		
	5	JP A 2000-001765 w/abstr. + trans.	01/07/2000	Japan		
	6	EP 0 818 555 A1	01/14/1998	Europe		

  

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
	7	Kula et al., "New Vacuum Carburizing Technology," Heat Treating Progress, 1(1), pp. 57-60, February-March 2001
	8	Sugiyama et al., "Vacuum carburizing with acetylene. (Heat Treating Progress)(heat engineering process)," Advanced Mat. 8 Processes, v. 155, No. 4, pp. 2-3, April 1999

  

EXAMINER	DATE CONSIDERED
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Date: April 15, 2005